**Visiting Scholar – INTC**

Job Description

Autodesk Research is dedicated to developing cutting-edge technologies and pioneering new workflows and experiences for our customers across AEC, Design & Manufacturing and Media & Entertainment industries. As a multidisciplinary team comprising scientists, industry practitioners and software creators, we assist customers in reimagining the future of designing and making.

**Position Overview**

Visiting scholars will engage with [Autodesk Research](https://www.research.autodesk.com/) in a consultant capacity to provide expertise and thought leadership, broaden our understanding through key connections, and help Autodesk Research identify important engagement points with academia and industry. This is a six (6) month minimum contract position.

**Responsibilities**

* Advises on research methods and aid in designing interdisciplinary research projects that involve digital twins in construction, IoT, and AI
* Identify emerging research trends and propose strategic direction to align with industry needs and academic advancements
* Provides feedback and evaluation of research projects
* Facilitates knowledge exchange between academic, industry, and our Research group through workshops, guest lectures, and potential collaborations
* Explores research-to-field translation of our research into actionable insights for construction practitioners, policymakers, etc.
* Optionally provides skill development opportunities for Autodesk researchers.

**Minimum Qualifications**

* 7-12 years of combined academic and professional experience (4-6 years in a PhD program in Civil Engineering, Construction Management, Computer Science, with a strong background in digital twin during construction (on the job site))
* Publication record in peer-reviewed journals relevant to digital twin in construction and BIM
* Proficiency in data-driven modelling, digital twin platforms and construction data analytics
* Ability to work collaboratively in a multidisciplinary in an international research environment
* Academic institution IP and conflicts policies permit scholar to engage in work-for-hire consulting in scholar’s individual capacity
* A portfolio of research initiatives in construction, fueled by innovative advancements in Digital Twin technology.

**The Ideal Candidate**

* Currently a professor, assistant professor, associate professor at a research university or an industry fellow with a digital twin of construction site background
* Recognized expert with a strong international reputation in digital twin research applied to construction or infrastructure systems.
* Demonstrated experience bridging academic research and practical implementation in construction projects.
* Experience with advanced technologies such as IoT integration, AI/ML, simulation modeling, or real-time monitoring in construction.
* Familiarity with digital construction standards and interoperability frameworks (e.g., IFC, ISO 19650).
* Skilled in communicating complex technical ideas to diverse stakeholders, including academics, industry professionals, and policymakers.